

## ABSTRACT

### METHOD AND APPARATUS FOR IMPROVED SIMULATION OF CHEMICAL AND BIOCHEMICAL REACTIONS

5           An integrated system for modeling, simulating and analyzing chemical and  
biochemical reactions includes a modeling environment for constructing a model of a  
chemical or biochemical reaction. The system also includes a simulation engine accepting as  
input said constructed model of the chemical or biochemical reaction and generating as  
output an expected result for a first chemical reaction using a first type of computational  
10   model and an expected result for a second chemical reaction using a second type of  
computational model. An analysis environment communicates with the simulation engine  
and displays the expected result